
DEPARTMENT OF THE ARMY 02500.TD
CORPS OF ENGINEERS, TULSA DISTRICT NOV 91
JSH

TULSA DISTRICT GUIDE SPECIFICATION

SECTION 02500

PAVEMENT REMOVAL

- 1 GENERAL (NOT APPLICABLE)
- 2 PRODUCTS (NOT APPLICABLE)
- 3 EXECUTION

3.1 BITUMINOUS PAVEMENT

Existing bituminous pavement shall be completely removed as necessary for construction of new paving, transitional areas and for other construction operations requiring pavement removal. Edges of flexible pavement to be matched to new paving shall be cut smooth with pneumatic spades. All bituminous materials, binder, and aggregate shall be thoroughly removed. Any damage occurring to surfaces or pavements to remain, due to the Contractor's operations shall be repaired as directed at the expense of the Contractor. Removal shall be by approved methods and the materials removed shall be disposed of in the designated waste areas.

(ALTERNATE NO. 1)

3.2 CONCRETE PAVEMENT

Existing concrete pavement shall be removed in the areas shown on the drawings. Pavement shall be removed in such a manner that no damage will occur in adjacent slabs. All concrete pavement to be removed where the limits of removal are not at existing joints, shall be scored to a depth of not less than 75 mm 3 inches with a concrete saw or other similar equipment. Scoring shall be done in a straight line and shall be parallel to the existing joints where possible. Care shall be taken not to damage adjacent slabs. If adjacent slabs are damaged during removal operations as determined by the Contracting Officer, the damaged portion shall be removed and replaced at the Contractor's expense and in a manner as directed by the Contracting Officer. If cracks or overbreakage into adjacent concrete slabs occur during removal operations, the area within the scoring line shall be widened sufficiently to remove cracks or overbreakage, but if cracks or overbreakage fall within one foot of the next adjacent joint, the remainder of the slab adjacent to that joint shall be removed. During removal operations and after concrete has been removed, the Contractor shall exercise all precautions necessary to keep water from entering the subgrade. If water should enter the excavation, the Contractor shall remove the water by pumping and shall allow adequate time for the subgrade to dry, as determined by the Contracting Officer. Any slab or portion of slabs damaged due to negligence on the part of the contractor shall be removed and replaced at his own expense. Pavement which is removed shall be disposed of in the designated waste areas.

(ALTERNATE NO. 2)

3.3 CONCRETE PAVEMENT

Concrete pavement designated on the drawings or directed to be removed shall be completely freed from adjacent pavement by line drilling with a pneumatic-driven, heavy-duty, wagon drill or other approved pneumatic-driven tool. The method to be used by the Contractor in line drilling will be subject to the approval of the Contracting Officer. Drilled holes shall be spaced 2-1/2 times the hole diameter. Subsequent to line drilling, the concrete between drilled holes shall be removed with pneumatic or mechanical driven paving breakers or other approved tool. Unless otherwise noted on the drawings, where removed concrete is not adjacent to expansion, contraction, or construction joints, the pavement shall be cut with an abrasive saw to the minimum depths noted on the drawings prior to line drilling with a wagon drill or other approved line drilling device. The purpose of sawing is to assure a vertical edge for the remaining pavement. After the concrete pavement is completely freed from the adjacent pavement, the fail concrete to be removed shall be broken by hand, paving breakers, mechanical-type hammers or drop hammers or other approved methods. The method of demolition of the concrete pavement shall not be severe enough to damage the adjacent concrete pavement. The Contractor shall be responsible for controlling severity of the demolition shock in breaking up the failed concrete. Concrete shall be broken into pieces not larger than 3 feet square. The Contractor shall replace without cost to the Government any adjacent pavement damaged by his pavement-removal operations. Pavement which is removed shall be disposed of in the designated waste areas.